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(54) Title: **SHEAR-SENSITIVE PLUGGING FLUID FOR PLUGGING AND A METHOD FOR PLUGGING A SUBTERRANEAN FORMATION ZONE**

(57) Abstract: A plugging fluid for plugging a subterranean formation zone surrounding a drill hole consisting of an emulsion comprising an oil phase containing an oil, an emulsifier and 2.4 to 4 kg of cement per liter of oil and an aqueous phase containing water and 12-16g of polysaccharide per liter of water, wherein the oil to water volume ratio ranges from 20:80 to 25:75. Upon shearing, the emulsion inverts so that the rupture of the emulsion droplets releases the cement into the water phase thus providing metallic divalent ion to crosslink with the polysaccharides and forming a gel structure.



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